

**AMENDMENTS TO THE CLAIMS**

Claims 1-5. (Canceled)

6. (Original) A method for testing an optical component, comprising:

connecting the optical component to a high-frequency probe;

connecting the high-frequency probe to a golden high-speed electrical component;

transmitting a high-speed electrical signal from the golden high-speed electrical component to the optical component; and

identifying a response by the optical component to the high-speed electrical signal.

7. (Original) The method of Claim 6, further comprising evaluating the response by the optical component.

8. (Original) The method of Claim 6, further comprising adjusting the high-speed electrical signal.

9. (Original) The method of Claim 7, wherein the step of evaluating the response by the optical component comprises determining if the optical component responds in substantially the same manner as a golden optical component would respond to a substantially equivalent high-speed electrical signal.

10. (Original) The method of Claim 7, wherein the step of evaluating the response by the optical component comprises comparing if the response is substantially the same as a golden optical component response to a substantially equivalent high-speed electrical signal.

11. (Original) A method for testing a test component connected to a high-speed electrical component, comprising:

connecting a golden optical component to a high-frequency probe;

connecting the high-frequency probe to the high-speed electrical component;

operating the test component in an application environment to cause a transmission of a high-speed electrical signal from the high-speed electrical component to the golden optical component; and

determining if the golden optical component responds to the high-speed electrical signal.

12. (Original) The method of Claim 11, further comprising evaluating a response by the golden optical component.

13. (Original) The method of Claim 11, further comprising adjusting the high-speed electrical signal.

14. (Original) The method of Claim 12, wherein the step of evaluating a response by the golden optical component comprises determining if the golden optical component responds in substantially the same manner as the golden optical component would respond to a substantially equivalent high-speed electrical signal caused by a golden test component operation.

15. (Original) The method of Claim 12, wherein the step of evaluating a response by the golden optical component comprises comparing if the response is substantially the same as a second golden optical component response to a substantially equivalent high-speed electrical signal caused by a golden test component operation.

16. (Original) A method for testing a test component connected to a high-speed electrical component, comprising:

connecting a golden optical component to a high-frequency probe;

connecting the high-frequency probe to the high-speed electrical component;

transmitting a high-speed electrical signal from the golden optical component to the high-speed electrical component; and

identifying a response by the test component.

17. (Original) The method of Claim 16, further comprising evaluating the response by the test component.

18. (Original) The method of Claim 16, further comprising adjusting the high-speed electrical signal.

19. (Original) The method of Claim 17, wherein the step of evaluating the response by the test component comprises determining if the test component responds in substantially the same manner as a golden test component would respond.

20. (Original) The method of Claim 17, wherein the step of evaluating the response by the test component comprises comparing if the response is substantially the same as a golden test component response.
21. (New) The method of Claim 8, further comprising identifying a response by the optical component to the adjusted high-speed electrical signal.
22. (New) The method of Claim 21, further comprising evaluating the response by the optical component to the adjusted high-speed electrical signal.
23. (New) The method of Claim 13, further comprising determining if the golden optical component responds to the adjusted high-speed electrical signal.
24. (New) The method of Claim 23, further comprising evaluating a response by the golden optical component to the adjusted high-speed electrical signal.
25. (New) The method of Claim 18, further comprising identifying a response by the test component to the adjusted high-speed electrical signal.